

CLAIMS

1. A power saving control apparatus for a television receiver system, said television receiver system comprising:
 - 5 a television receiver apparatus for outputting one of video and audio signals on a received broadcast wave and video and audio signals inputted from an external electronic equipment, and transmitting the video and audio signals by radio; and
 - 10 a remote control apparatus for controlling an operation of said television receiver apparatus, and receiving and outputting the video and audio signals transmitted by radio,
- 15 wherein said power saving control apparatus comprises power saving means for turning off power supply to at least one part of means of said television receiver apparatus upon receiving a predetermined instruction signal from said remote control apparatus.
- 20 2. The power saving control apparatus as claimed in claim 1, wherein the instruction signal is a power saving transfer instruction message for instructing said television receiver apparatus to transfer to a power saving state by turning off the power supply to at least one part of means of said television receiver apparatus.
- 25 3. The power saving control apparatus as claimed in claim 1, wherein the instruction signal is a video and audio signals transmission instruction message for instructing said television receiver apparatus to transmit the video and audio signals from said television receiver apparatus to said remote control apparatus by radio.
- 30 4. The power saving control apparatus as claimed in claim 1,

wherein the instruction signal is a video and audio signals transmission instruction message for instructing said television receiver apparatus to transmit the video and audio signals from said television receiver apparatus to said remote control apparatus by radio, and

5 wherein said power saving means turns off the power supply to at least one part of means of said television receiver apparatus, upon receiving the instruction signal from said remote control apparatus, and in an automatic power saving function mode set in said television receiver apparatus.

10 5. The power saving control apparatus as claimed in any one of claims 1 to 4,

wherein at least one part of means of said television receiver apparatus includes display means for displaying an image of the video signal, and audio output means for outputting a voice of the audio signal.

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6. A power saving control method for a television receiver system, said television receiver system comprising:

a television receiver apparatus for outputting one of video and audio signals on a received broadcast wave and video and audio signals inputted from an external electronic equipments, and transmitting the video and audio signals by radio; and

a remote control apparatus for controlling an operation of said television receiver apparatus, and receiving and outputting the video and audio signals transmitted by radio,

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wherein said power saving control method includes a power

saving step of turning off power supply to at least one part of means of said television receiver apparatus upon receiving a predetermined instruction signal from said remote control apparatus.

7. The power saving control method as claimed in claim 6,

5 wherein the instruction signal is a power saving transfer instruction message for instructing said television receiver apparatus to transfer to a power saving state by turning off the power supply to at least one part of means of said television receiver apparatus.

8. The power saving control method as claimed in claim 6,

10 wherein the instruction signal is a video and audio signals transmission instruction message for instructing said television receiver apparatus to transmit the video and audio signals from said television receiver apparatus to said remote control apparatus by radio.

9. The power saving control method as claimed in claim 6,

15 wherein the instruction signal is a video and audio signals transmission instruction message for instructing said television receiver apparatus to transmit the video and audio signals from said television receiver apparatus to said remote control apparatus by radio, and

wherein said power saving step turns off the power supply to at

20 least one part of means of said television receiver apparatus, upon receiving the instruction signal from said remote control apparatus, and in an automatic power saving function mode set in said television receiver apparatus.

10. The power saving control method as claimed in any one of

25 claims 6 to 9,

wherein at least one part of means of said television receiver apparatus includes display means for displaying an image of the video signal, and audio output means for outputting a voice of the audio signal.

5 11. A power saving control apparatus for a television receiver system, said television receiver system comprising:

 a television receiver apparatus for outputting video and audio signals inputted from an external electronic equipment, and transmitting the video and audio signals by radio; and

10 a remote control apparatus for controlling an operation of said television receiver apparatus, controlling an operation of said external electronic equipment via said television receiver apparatus, and receiving and outputting the video and audio signals transmitted by radio,

15 wherein said power saving control apparatus comprises control means for controlling turning off power supply to said external electronic equipment upon receiving a predetermined instruction signal from said remote control apparatus.

20 12. The power saving control apparatus as claimed in claim 11, wherein said television receiver apparatus further comprises switching means for selectively switching video and audio signals from a plurality of external electronic equipments, and for outputting the selected video and audio signals, and

25 wherein said control means controls said switching means to selectively switch over to one of the plurality of external electronic

equipments, and controls turning off power supply to one of the external electronic equipments having been selected before switching over upon receiving an instruction signal including an external electronic equipment switching instruction message for selectively switching over to the one of the plurality of external electronic equipments from said remote control apparatus.

5. 13. The power saving control apparatus as claimed in claim 12, wherein said control means transmits the video and audio signals from said selected external electronic equipment to said remote 10 control apparatus by radio.

10. 14. The power saving control apparatus as claimed in claim 13, wherein said control means turns off power supply to at least one part of means of said television receiver apparatus.

15. 15. The power saving control apparatus as claimed in claim 14, wherein at least one part of means of said television receiver apparatus includes at least one of:

(1) reception means for receiving a broadcast wave of said television receiver apparatus; and
(2) display means for displaying an image of the video signal, 20 and audio output means for outputting a voice of the audio signal.

16. A power saving control method for a television receiver system, said television receiver system comprising:

a television receiver apparatus for outputting video and audio signals inputted from an external electronic equipment, and 25 transmitting the video and audio signals by radio; and

a remote control apparatus for controlling an operation of said television receiver apparatus, controlling an operation of said external electronic equipment via said television receiver apparatus, and receiving and outputting the video and audio signals transmitted by radio,

wherein the power saving control method includes a control step of controlling turning off power supply to said external electronic equipment upon receiving a predetermined instruction signal from said remote control apparatus.

10 17. The power saving control method as claimed in claim 16, wherein said television receiver apparatus further comprises switching means for selectively switching video and audio signals from a plurality of external electronic equipments, and for outputting the selected video and audio signals, and

15 wherein said control step controls said switching means to selectively switch over to one of the plurality of external electronic equipments, and controls turning off power supply to one of the external electronic equipments having been selected before switching over upon receiving an instruction signal including an external 20 electronic equipment switching instruction message for selectively switching over to the one of the plurality of external electronic equipments from said remote control apparatus.

25 18. The power saving control method as claimed in claim 17, wherein said control step transmits the video and audio signals from said selected external electronic equipment to said remote control

apparatus by radio.

19. The power saving control method as claimed in claim 18, wherein said control step turns off power supply to at least one part of means of said television receiver apparatus.

5 20. The power saving control method as claimed in claim 19, wherein at least one part of means of said television receiver apparatus includes at least one of:

(1) reception means for receiving a broadcast wave of said television receiver apparatus; and

10 (2) display means for displaying an image of the video signal, and audio output means for outputting a voice of the audio signal.

21. A television receiver apparatus for outputting one of video and audio signals on a received broadcast wave and video and audio signals inputted from an external electronic equipment, and
15 transmitting the video and audio signals by radio,

wherein said television receiver apparatus comprises said power saving control apparatus as claimed in any one of claims 1 to 5.

22. A television receiver system comprising:

a television receiver apparatus for outputting one of video and
20 audio signals on a received broadcast wave and video and audio signals inputted from an external electronic equipment, and transmitting the video and audio signals by radio; and

25 a remote control apparatus for controlling an operation of said television receiver apparatus, and receiving and outputting the video and audio signals transmitted by radio,

wherein said television receiver system comprises said power saving control apparatus as claimed in any one of claims 1 to 5..

23. A television receiver apparatus for outputting video and audio signals inputted from an external electronic equipment, and
5 transmitting the video and audio signals by radio,

wherein said television receiver apparatus comprises said power saving control apparatus as claimed in any one of claims 11 to 15.

24. A television receiver system comprising:

a television receiver apparatus for outputting video and audio signals inputted from an external electronic equipment, and
10 transmitting the video and audio signals by radio; and

a remote control apparatus for controlling an operation of said television receiver apparatus, controlling said external electronic equipment via said television receiver apparatus, and receiving and
15 outputting the video and audio signals transmitted by radio,

wherein said television receiver system comprises said power saving control apparatus as claimed in any one of claims 11 to 15.